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541	GGGGAGACCATGTGCACCTTCATCACCCATCACCAATCACCAATGGGGTGTGGCACTTTT	540
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841	CAGTTTTTCCTGGCCTTTGCCCTTTTGCCCTTTTTGCTCTTTTTT	840
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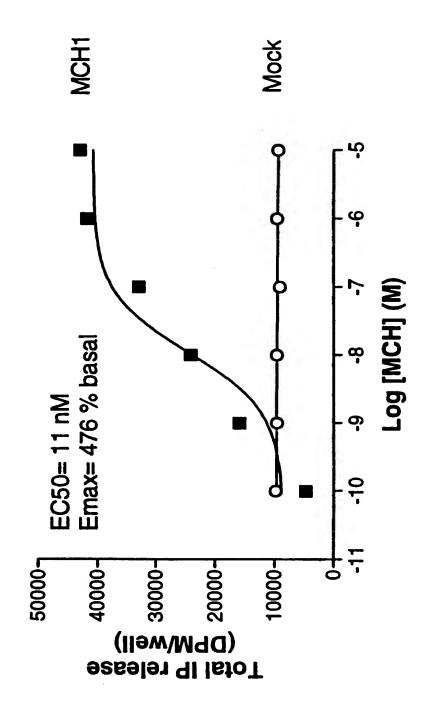
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181	GGGCATCGTGGGAAACTCCACGGTCATCTTTGCTGTGGTGAAGAAGTCCAAGCTACACTG	24(
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IP release in MCH1- and mock-transfected Cos-7 cells



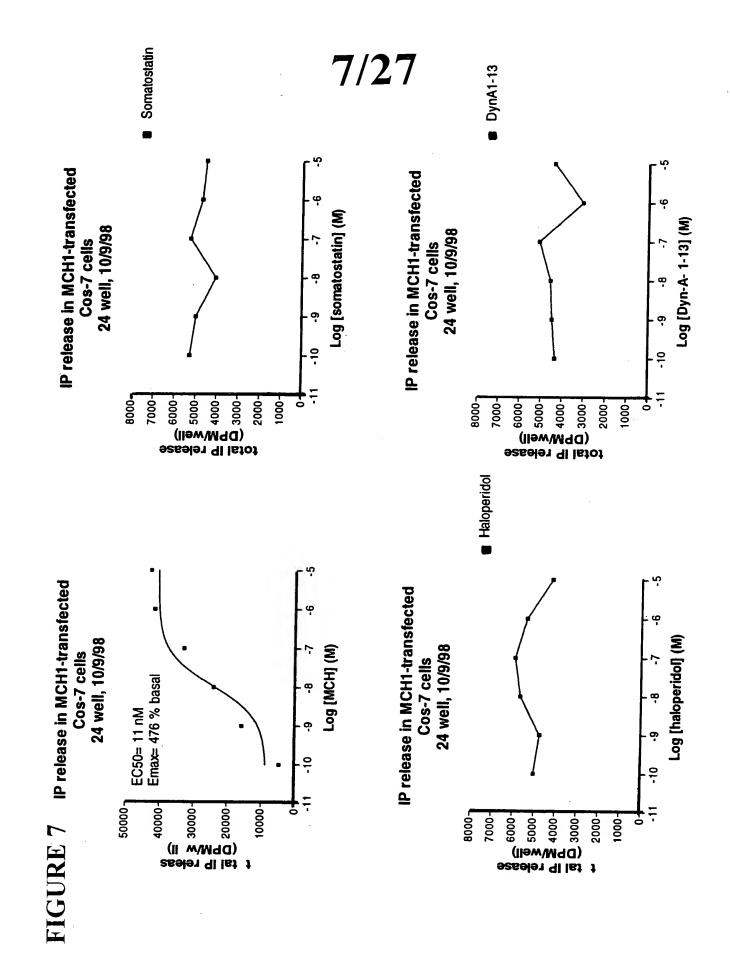
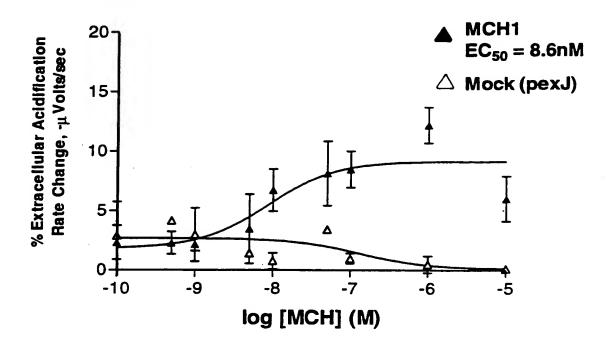
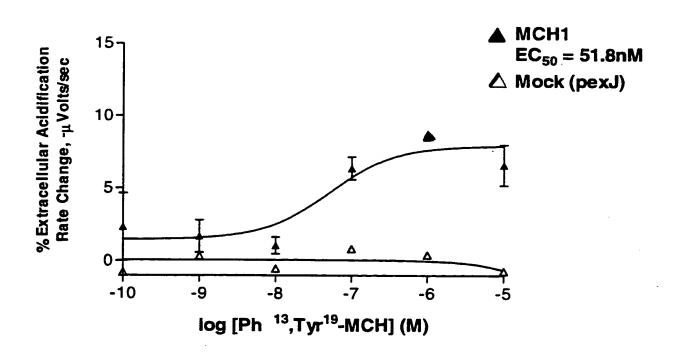


FIGURE 8 8/27
Micr physi met r Resp nse CHO cells



Microphysiometer Response CHO cells



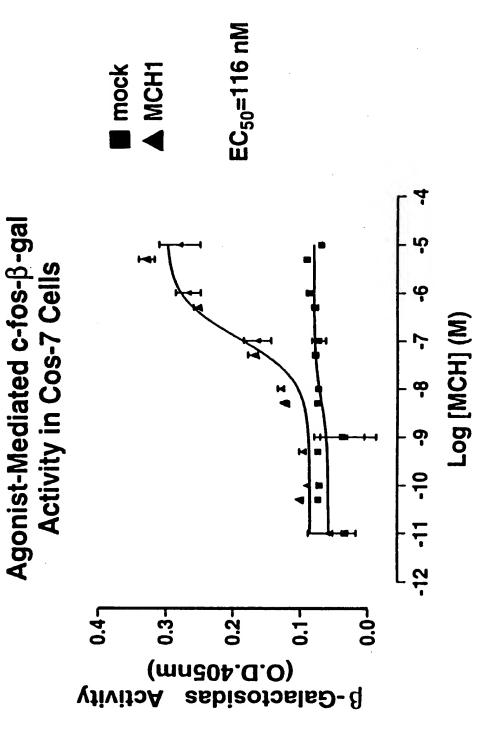
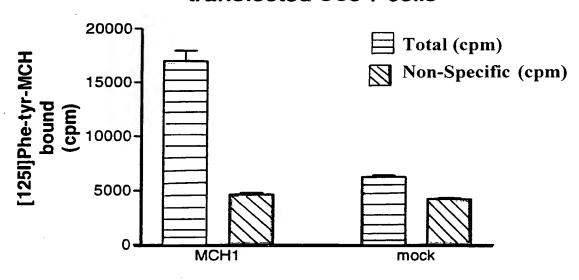
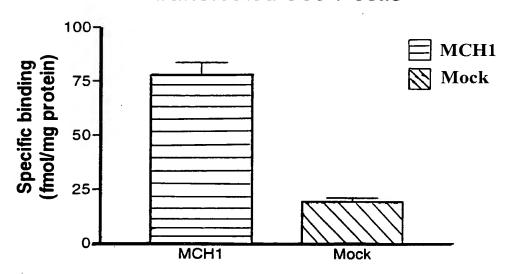


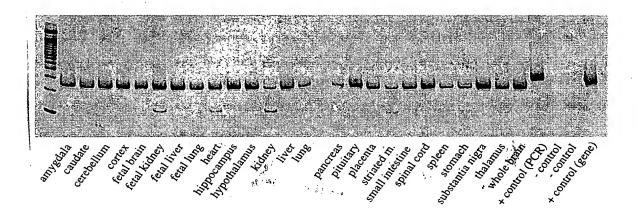
FIGURE 10

[125I]Phe13-Tyr19-MCH binding on transiently transfected Cos-7 cells



[125I]Phe13-Tyr19-MCH binding on transiently transfected Cos-7 cells





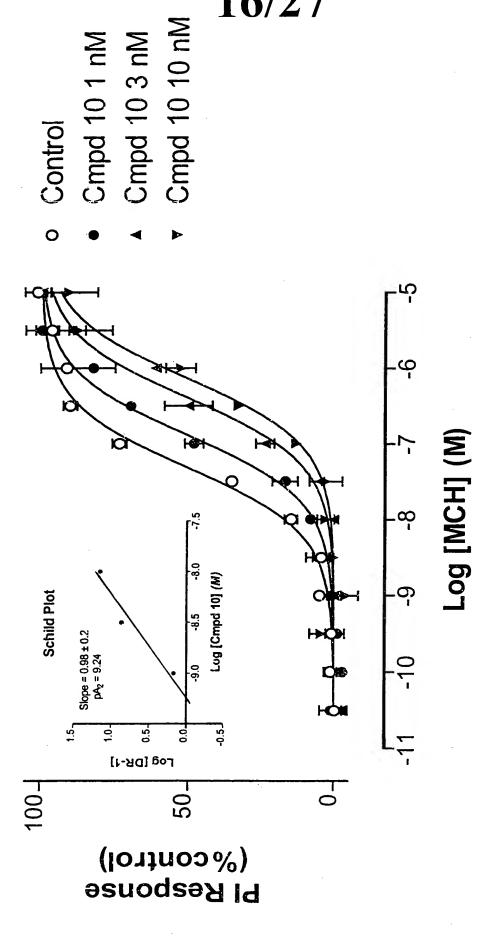
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GRAVGLGGGS GRAVGLGGGS GRAVGLGGGS	AWVEGSSARL AWVEGSSARL AWVEGSSARL	100 DNLTSAGSPP DNLTSAGSPP GGSSESTOND
MSVGAMKKGV MSVGAMKKGV MSVGAAKKGV	41 GGRRWRLPQP GGRRWRLPQP GGRRWRLPQP	81 PNASNTSDGP PNASNTSDGP PNASNTSDGP
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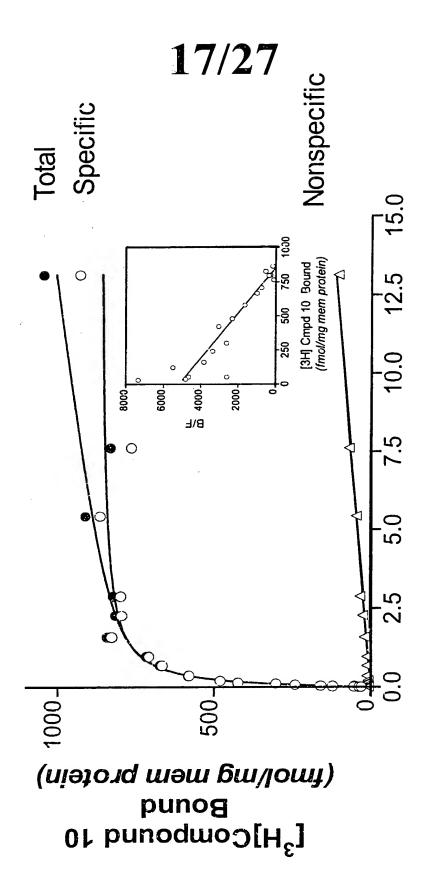
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                                 APGO
                                          40
 41
    GGRRWRL
                 PQPAWV
                            Ε
                             GSSARL
                                          60
 61
      EQAT
             GT
                 G
                   WADLE
                           ASLL
                                          80
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         SNT
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                   NIIMP
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      TG
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               Y
                 I
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                                     I
                                          120
121
                   T
    L
      L G
         I
            I G N
                 S
                    VIFA
                           VVKKSKL
                                          140
141
                   Ξ
                    FI
    Н
      WC
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                                    L
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161
      LEGM
                   I
                    HQLMG
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               FM
                             NGV
                                   W H
                                         180
     ETM
181
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                    AMDAN
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                             V H P
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                                         220
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                            T
                                      S
221
    T
      KFRKP
               SVA
                    T
                      LVIC
                             L
                               LWAL
                                      S
                                         240
241
      I
             PVWL
                                 PGG
        SI
           T
                    YARL
                            I
                             P
                               E
                                         260
                                      .A
261
      GCG
                    P D
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                           L
                             YWFTL
    V
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301
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              SVAPASQR
                               IRLR
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                                         320
321
                      CLVF
                IAI
    KRVTR
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              Α
                             FVCWA
                                         340
341
    ¥
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         L
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             L
               T
                QL
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                      I
                       SRP
                             T
                               L
                                 T
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361
             I
               SLGYANSC
    LYNAA
                               N
                                 Ь
                                         380
                             L
                                  FVY
381
    IVLC
                        V L
           E
             T
               FRKRL
                           S
                             V
                               K P
                                   A A
                                         400
401
    GQLRAVSNAQTADE
                             E
                               RT
                                  E S
                                         420
421
    GT
                                         422
```

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20
 1
          ASLL
                  PT
                     GPNASNT
                   PPRTGSI
                               SYIN
                                        40
              A G S
 21
      DNLT
            S
              FGT
                    I C
                            I
                        L G
                       L
                                     T
                                       60
 41
    IIMPSV
       FAVVKKSKL
                       H W C
 61
      Ι
                           NNVPD
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                            G M
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 81
      Ι
         NL
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                       GETMC
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101
    н Q
       LMGNG
                       YIL
                    S
                            TAMAI
121
                  T
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    AMDANS
              0
                F
                                       140
                        KFRK
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141
    RYLA
                 I S
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                                 S
                                       160
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                        I S I
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    TLVIC
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161
            L
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                             Ξ
    YARL
                               RL
131
            5
                5
                  GGA
                           G
                                  PN
                                       200
                        F F L A F A L
    PDT
                   LY
                       Q
                                       220
201
         D L
            YWE
                  T
    F V V I
                YVRILQRMT
                               S
                                 S V A
221
                                       240
          TAAA
                            T
                   RTK
                             RT
                                 AIA
                                       260
                        R
                          V
241
    PASQ
          R S
              I
                R
                  L
    ICLVF
              VCWAPYYVLQL
261
                                 TQL
                                       280
            Ε
                  F V Y L
    SI
       SRPTL
                        YNAAISL
                                       300
281
                T
    YANSC
301
                  F V Y
                      I
                        VLCETFRK
                                       320
            L
              N
                  AAQGQLRAVSNA
                                       340
321
           SVKP
                                       353
341
   TOTADEERT
                 ESKGT
```







[³H]Compound 10 Free (nM)

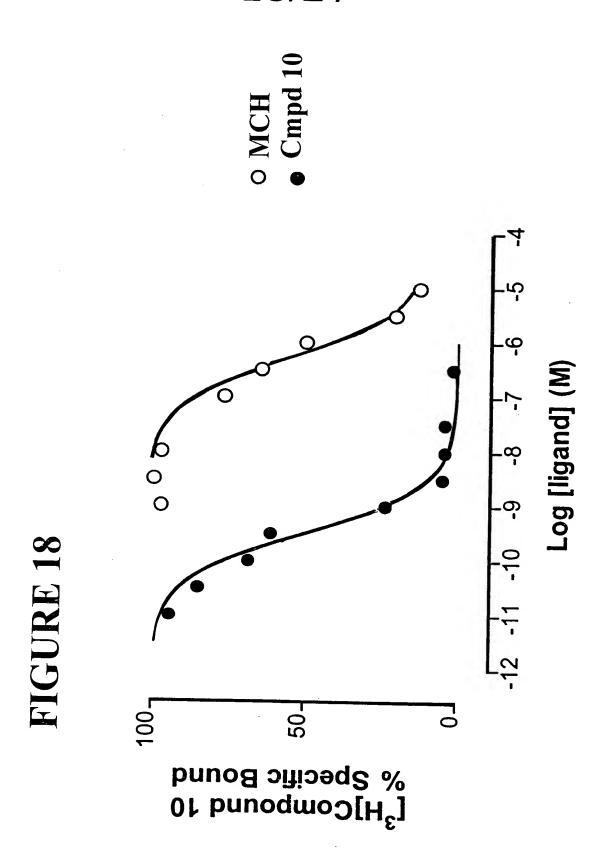


FIGURE 19

Total MCH1 Receptor Binding A B

FIGURE 20A

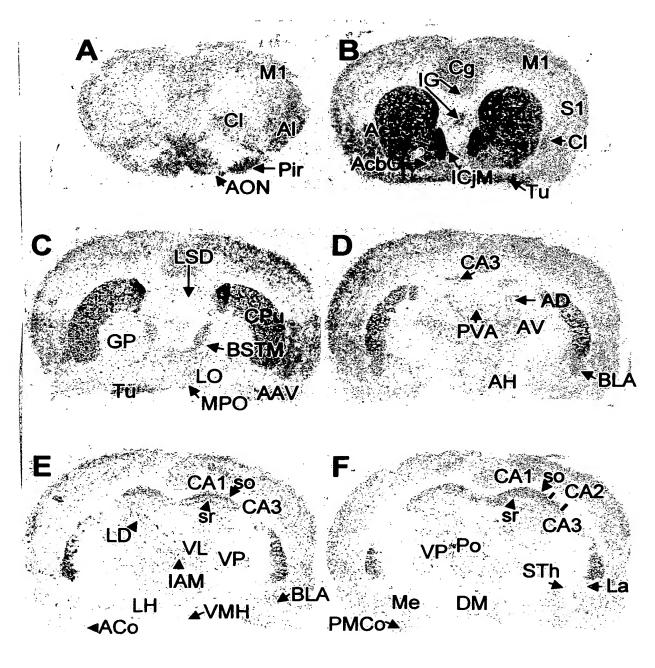
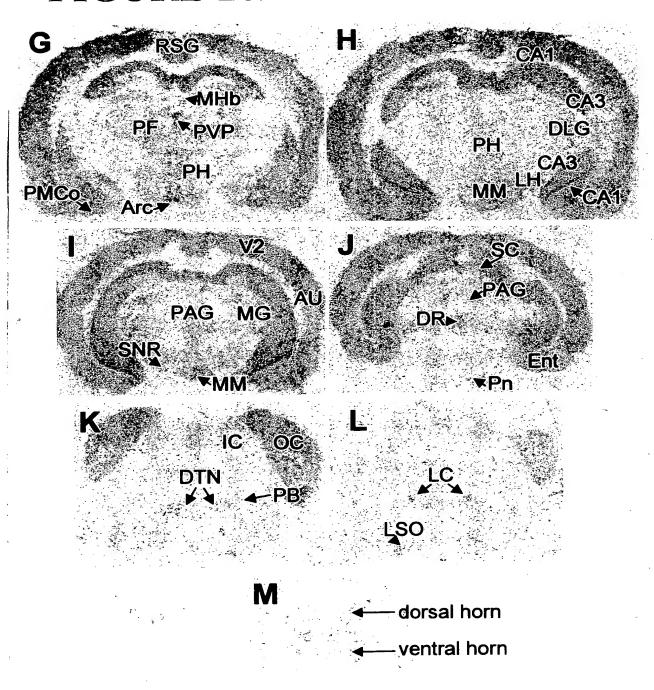
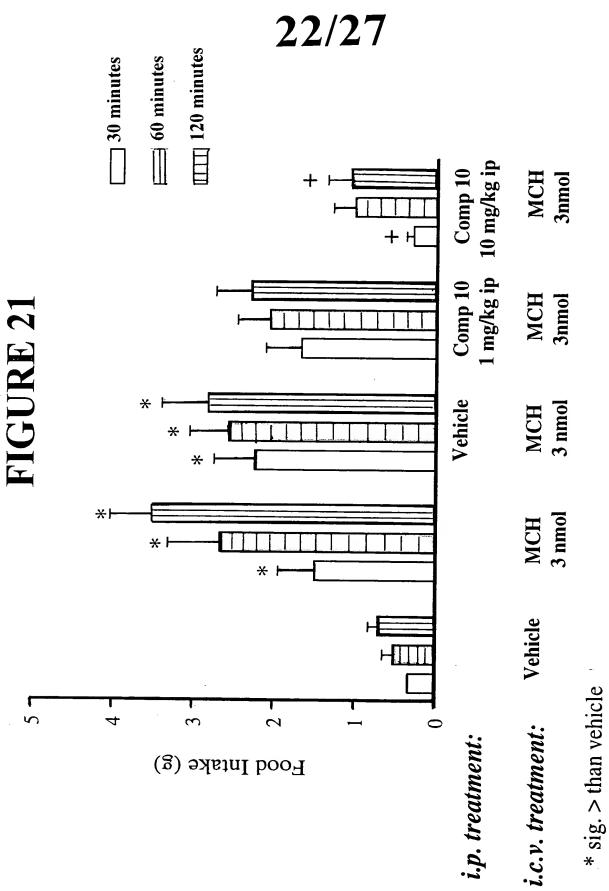


FIGURE 20B





* sig. > than vehicle + sig. < than veh+MCH

